

ABSTRACT

The present invention discloses a seal and a method of sealing dynamic shaft applications. The seal comprises an inner portion, an outer portion, a faceplate, and at least one flexible member located between the inner and outer portions. The method comprises providing a dynamic shaft assembly containing a bore for receiving a seal, providing a unitized seal, and placing the unitized seal on the shaft, thus sealing the assembly so that lubricants may not escape, and foreign material may not enter. The unitized seal can provide permanently lubricated sealed bearings in severe service conditions such as rollers and idlers of track-driven vehicles and agricultural equipment.